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(54) NERVOUS DISEASE SYMPTOM-TREATING AGENT COMPRISING PTERIN DERIVATIVE

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(57) Abstract:

PURPOSE: To provide an agent for treating performance disorders, concentration disorders, paroxysmal anesthesia, akinesia, shivering or emotional unstable type atrabilary symptom, i.e., nervous diseases, containing a specific pterin derivative as an active ingredient.

CONSTITUTION: A nervous disease-treating agent contains a compound of formula I [R¹, R² are H or together form a single bond; when R¹, R² are the H, R³ is -CH₃, L-erythro-CH(OH)CH(OH)CH₃, -CH(OCOCH₃)CH(OCOCH₃)CH₃; when R¹, R² are the single bonds, R³ is -COCH(OH)CH₃]. The compound of formula I includes L-erythro-5,6,7,8-tetrahydrobiopterin of formula II, L- sepiapterin of formula III, 1',2'-diacetyl-5,6,7,8-tetrahydrobiopterin of formula IV and 6-methyl-5,6,7,8-tetrahydropterin of formula V. These are effective for the treatment of Parkinson's disease patients and depression patients.

